

C-type lectins, designated herein as PRO244 polypeptides.

SUMMARY OF THE INVENTION

1. PRO211 and PRO217

Applicants have identified cDNA clones that encode novel polypeptides having homology to EGF, designated in the present application as "PRO211" and "PRO217" polypeptides.

In one embodiment, the invention provides an isolated nucleic acid molecule comprising DNA encoding a PRO211 or PRO217 polypeptide. In one aspect, the isolated nucleic acid comprises DNA encoding EGF-like homologue PRO211 and PRO217 polypeptides of Fig. 2 (SEQ ID NO:2) and/or 4 (SEQ ID NO:4) indicated in Fig. 1 (SEQ ID NO:1) and/or Fig. 3 (SEQ ID NO:3), respectively, or is complementary to such encoding nucleic acid sequence, and remains stably bound to it under at least moderate, and optionally, under high stringency conditions.

In another embodiment, the invention provides isolated PRO211 and PRO217 EGF-like homologue PRO211 and PRO217 polypeptides. In particular, the invention provides isolated native sequence PRO211 and PRO217 EGF-like homologue polypeptides, which in one embodiment, includes an amino acid sequence comprising residues: 1 to 353 of Fig. 2 (SEQ ID NO:2) or (2) 1 to 379 of Fig. 4 (SEQ ID NO: 4).

2. PRO230

Applicants have identified a cDNA clone that encodes a novel polypeptide, wherein the polypeptide is designated in the present application as "PRO230".

In one embodiment, the invention provides an isolated nucleic acid molecule comprising DNA encoding a PRO230 polypeptide. In one aspect, the isolated nucleic acid comprises DNA encoding the PRO230 polypeptide having amino acid residues 1 through 467 of Figure 6 (SEQ ID NO:12), or is complementary to such encoding nucleic acid sequence, and remains stably bound to it under at least moderate, and optionally, under high stringency conditions.

In another embodiment, the invention provides isolated PRO230 polypeptide. In particular, the invention provides isolated native sequence PRO230 polypeptide, which in one embodiment, includes an amino acid sequence comprising residues 1 through 467 of Figure 6 (SEQ ID NO:12).

In another embodiment, the invention provides an expressed sequence tag (EST) comprising the nucleotide sequence of SEQ ID NO:13 (Figure 7) which is herein designated as DNA20088.

3. PRO232

Applicants have identified a cDNA clone that encodes a novel polypeptide, wherein the polypeptide is designated in the present application as "PRO232".

In one embodiment, the invention provides an isolated nucleic acid molecule comprising DNA encoding a PRO232 polypeptide. In one aspect, the isolated nucleic acid comprises DNA encoding the PRO232 polypeptide having amino acid residues 1 to 114 of Figure 9 (SEQ ID NO:18), or is complementary to such encoding nucleic acid sequence, and remains stably bound to it under at least moderate, and optionally, under high stringency conditions.

(10) DNA33221-1133 (PRO224)

p1 5'-GGATTCTAATACGACTCACTATAGGGCGCAGCGATGGCAGCGATGAGG-3' (SEQ ID NO:366)

p2 5'-CTATGAAATTAACCCTCACTAAAGGGACAGACGGGGCAGAGGGAGTG-3' (SEQ ID NO:367)

5 (11) DNA35557-1137 (PRO234)

p1 5'-GGATTCTAATACGACTCACTATAGGGCCAGGAGGCGTGAGGAGAAAC-3' (SEQ ID NO:368)

p2 5'-CTATGAAATTAACCCTCACTAAAGGGAAAGACATGTCATCGGGAGTGG-3' (SEQ ID NO:369)

10 (12) DNA33100-1159 (PRO229)

p1 5'-GGATTCTAATACGACTCACTATAGGGCCGGGTGGAGGTGGAACAGAAA-3' (SEQ ID NO:370)

p2 5'-CTATGAAATTAACCCTCACTAAAGGGACACAGACAGAGCCCCATACGC-3' (SEQ ID NO:371)

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(13) DNA34431-1177 (PRO263)

p1 5'-GGATTCTAATACGACTCACTATAGGGCCAGGGAAATCCGGATGTCTC-3' (SEQ ID NO:372)

p2 5'-CTATGAAATTAACCCTCACTAAAGGGAGTAAGGGGATGCCACCGAGTA-3' (SEQ ID NO:373)

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(14) DNA38268-1188 (PRO295)

p1 5'-GGATTCTAATACGACTCACTATAGGGCCAGCTACCCGCAGGAGGAGG-3' (SEQ ID NO:374)

p2 5'-CTATGAAATTAACCCTCACTAAAGGGATCCCAGGTGATGAGGTCCAGA-3' (SEQ ID NO:375)

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G. Results

In situ analysis was performed on a variety of DNA sequences disclosed herein. The results from these analyses are as follows.

30 (1) DNA33094-1131 (PRO217)

Highly distinctive expression pattern, that does not indicate an obvious biological function. In the human embryo it was expressed in outer smooth muscle layer of the GI tract, respiratory cartilage, branching respiratory epithelium, osteoblasts, tendons, gonad, in the optic nerve head and developing dermis. In the adult expression was observed in the epidermal pegs of the chimp tongue, the basal epithelial/myoepithelial cells of the prostate and urinary bladder. Also expressed in the alveolar lining cells of the adult lung, mesenchymal cells juxtaposed to erectile tissue in the penis and the cerebral cortex (probably glial cells). In the kidney, expression was only seen in disease, in cells surrounding thyroidized renal tubules.

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Human fetal tissues examined (E12-E16 weeks) include: Placenta, umbilical cord, liver, kidney, adrenals,